

## Premium - Skim and Repair Compound

# UZIN NC 886

Polymer-modified portland-based fine smoothing compound

### DESCRIPTION:

Rapid-drying fine repair mortar used to smooth and fill imperfections of interior surfaces before installing floor covering material. Mixed with water, this polymer-modified compound of portland and select hydraulic cement can be applied to various surfaces, often without the requirement of a primer. Suitable for use with all floor coverings and adhesives.

### SUITABLE FOR:

- ▶ Interior use only
- ▶ Use over concrete, cement-based leveling compounds
- ▶ Use over wood, plywood, OSB, underlayment panels
- ▶ Use over well bonded adhesive residues including cutback adhesive\*
- ▶ Use over quarry tile, natural stone, terrazzo
- ▶ Use over ceramic tile, dense and smooth coatings, metal
- ▶ Use as a embossing filler over residential sheet vinyl
- ▶ Residential and commercial applications
- ▶ Use with radiant floor heating systems

\*See "Substrate Preparation" for additional information.



### FEATURES AND BENEFITS:

- ▶ Polymer-modified • Enhanced bond and durability
- ▶ Ideal consistency • Smooth trowel application
- ▶ Fast-dry formula • 15 minutes on absorbent substrates
- ▶ High strength • Suitable for caster wheels

### TECHNICAL DATA:

|                                 |                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------|
| Packaging                       | 10 lb (4.5 kg) foil bag                                                                     |
| Storage                         | up to 9 months**                                                                            |
| Mixing ratio                    | part measures: 2:1<br>(powder to water)                                                     |
| Water quantity                  | 2.2-2.5 quarts per bag<br>(2.1-2.4 liters per bag)                                          |
| Color                           | gray                                                                                        |
| Applied coverage                | up to 100-300 sq. ft.<br>skimcoat (bag)*<br>up to 9.29-28 m <sup>2</sup><br>skimcoat (bag)* |
| VOC                             | 0 g/L                                                                                       |
| Working time                    | 15-20 minutes*                                                                              |
| Ready for foot traffic          | 15-60 minutes*                                                                              |
| Ready for covering              | 15-120 minutes*<br>16 hours for wood flooring*                                              |
| Minimum application temperature | 50 °F (10 °C) at floor level                                                                |
| Strength                        | compressive: 3,000 psi at 28<br>days ASTM C109   air cure only                              |

\*Applied coverage refers to the product's spread rate at indicated layer thickness, based on practical application experience rather than physical properties. At 70 °F (21 °C) and 65% relative humidity. Surface profile and porosity, application depth, temperature, and humidity will affect dry time and coverage. \*\*In original unopened packaging, when stored indoors in dry, moderate conditions between temperatures of 50F - 90F (10C - 32C).



## PRODUCT PROPERTIES:

UZIN NC 886 can be trowel applied as a skimcoat and feather edge up to 1/2" (12.5 mm) depth. UZIN NC 886 fulfills ASTM F710 patching compound requirements for moisture, mildew, and alkali resistance, including the 3,000 psi compressive strength specification for commercial application.

| Product Density  | lbs ft3       |
|------------------|---------------|
| Wet              | 100 +/- 2 lbs |
| Dry (at 28 days) | 87 +/- 2 lbs  |

## SUBSTRATE PREPARATION:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean, and free of all contaminants, including but not limited to dust, grease, oil, paint, wax, curing, and sealing compounds, or cleaning solution residue that would impair adhesion. If necessary, mechanically prepare and clean the surface by grinding, shot blasting, or sanding, and thoroughly vacuum off all loose material and dust following OSHA recommended guidelines. Do not use sweeping compounds. Any weakly bonded or soft surface material, such as loose patching compounds, leveling compounds, floor coverings, or coatings, must be removed. Do not apply this product over any acid-etched or chemically abated adhesive surfaces. Wood substrates must provide a rigid base and be securely fastened without excessive vertical movement. The surface of the wood must be clean and free of oils, grease, wax, dirt, varnish, shellac, and any contaminants that would impair adhesion. If necessary, sand down to bare wood. Do not apply UZIN products directly to fire-retardant or pressure-treated wood surfaces. Please refer to the UZIN Substrate Preparation Guide for additional information. CAUTION: Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Do not sand, grind, or disturb any surface or adhesive residue that may contain asbestos or lead, as harmful dust may result. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.

### Substrate Moisture Testing and Assessment

Evaluate concrete substrates following ASTM F710 guidelines. Select a suitable UZIN moisture vapor retarder if required. UZIN NC 886 and UZIN acrylic primers are not vapor retarders and allow water vapor diffusion. Always reference the limitations of the UZIN products, floor covering, and adhesive manufacturers' guidelines. If these limitations are in conflict, the most stringent requirements shall apply.

### UZIN Moisture Mitigation System-Concrete Substrates

| UZIN Moisture Vapor Retarder (MVR)                                  |          |         |            |             |
|---------------------------------------------------------------------|----------|---------|------------|-------------|
| Surface                                                             | UZIN MVR | Max RH* | pH control | UZIN Primer |
| Concrete all grade levels, no ASTM E1745 vapor retarder requirement | PE 460   | 100%    | 5-14       | PE 280      |
| Concrete all grade levels                                           | PE 414   | 98%     | 5-14       | PE 280      |

\*ASTM F2170 using in situ probes.

## PRIMING:

If required, select a UZIN primer according to floor surface type and absorbency. For detailed UZIN primer information, please refer to the UZIN primer datasheet located at [us.uzin.com](http://us.uzin.com). or contact UZIN for technical guidance.

| UZIN Primer Quick Reference Chart                                                      |                    |                                 |        |
|----------------------------------------------------------------------------------------|--------------------|---------------------------------|--------|
| Surface                                                                                | Absorbency         | UZIN Primer                     | Max RH |
| Concrete-all grade levels, gypsum and cement-based leveling compounds, cement terazzo* | porous             | PE 360 PLUS                     | 85%    |
|                                                                                        | porous             | PE 260                          | 85%    |
|                                                                                        | non-porous (dense) | PE 260, PE 280                  | 85%    |
| UZIN PE 460 or PE 414 TURBO as non MVR coating                                         | non-porous         | PE 280                          | 85%    |
| Prepared adhesive layers                                                               | non-porous         | PE 260, PE 280, PE 414 w/PE 280 | -      |
| Plywood, OSB, underlayment                                                             | porous             | PE 260                          | -      |
| Dense coatings, ceramic tile, epoxy terazzo                                            | non-porous         | PE 280                          | -      |

No primer is required over suitably prepared concrete, portland cement-based leveling compounds, and wood surfaces. However, priming highly absorbent surfaces with UZIN PE 260 or UZIN PE 360 PLUS will improve the UZIN NC 886 skimcoat application efficiency and dry surface appearance.

### Gypsum Concrete, Gypsum-Based Leveling Compounds

Prime with UZIN PE 260 or UZIN PE 360 PLUS.

### Existing Adhesive Layers

No primer required. Non-water-soluble and weak moisture-sensitive adhesive layers are recommended to be removed to thin residual staining of the substrate surface. Remove water-soluble adhesive layers completely. Carefully review the floor covering and adhesive substrate requirements. If necessary, contact UZIN for technical guidance.

### Quarry Tile, Natural Stone, Cement Terrazzo

No primer required.

### UZIN PE 460 and UZIN PE 414 TURBO Coatings, Ceramic Tile, Dense and Smooth Coatings, Epoxy Terrazzo, Metal

Prime with UZIN PE 280. For metal surfaces with a protective coating, prime with UZIN PE 280. For bare metal surfaces, please refer to the UZIN Metal Adhesion Chart for guidance, and then prime with UZIN PE 280.

Apply UZIN NC 886 at a minimum of 1/32" (1 mm) for use with dispersion (water-based) adhesives for nonporous

surfaces and two-component epoxy adhesives. Apply at 1/8" (3 mm) thickness when using dispersion wetset adhesives with resilient floor covering or select a suitable UZIN self-leveling compound.

## Embossing Filler

UZIN NC 886 can be used as an embossing filler over existing well-bonded full-spread adhered residential sheet vinyl. Do not apply over perimeter bonded floor coverings or cushion-backed flooring thicker than 0.08". Prime with UZIN PE 280. Use the least amount of UZIN NC 886 as possible to fill the embossed texture. Select a floor covering adhesive for non-porous surfaces to install the floor covering.

## APPLICATION:

1. Optimum product application 60–77 °F (16–25 °C) and relative humidity between 40-60 %.
2. To mix a full 10 lb bag – Pour 2.2–2.5 quarts (2.1–2.4 liters) cold, clean water into a clean container. Do not add more water than recommended.
3. Pour in UZIN NC 886 and mix product vigorously for approx. one minute at average drill speed of 300-450 rpm.
4. To mix part measures – ratio is two parts powder to one part water. Use a margin trowel to hand stir the mixture to a lump-free paste consistency. Observe working time (15-20 min).
5. Apply compound to substrate using a smoothing trowel.
6. Coverage rate at a skimcoat is approx. 100-300 sq. ft. per 10 lb bag.
7. Product has a depth limit of 1/2" (12.5 mm).
8. Dry for foot traffic after approx. 15-60 min.
9. Ready for installation of common floor coverings after approx. 15-120 min.
10. Storage up to 9 months in original unopened packaging when stored indoors in dry, moderate conditions between temperatures of 50F - 90F (10C - 32C). The product setting and drying characteristics may increase if the storage time is extended. The properties of the cured material are not affected.

## IMPORTANT NOTES:

- ▶ Tightly reseal opened packaging and use the contents as quickly as possible.
- ▶ High temperatures and low humidity will accelerate the setting, drying, and readiness for covering. Low temperature, high humidity, and greater depths will delay drying. In summer, store in cool conditions and use cold water.
- ▶ Do not apply to wet surfaces. Observe surface temperature at a minimum 5°F (3°C) above the dew point with temperature on the rise during application.
- ▶ To extend working time, occasionally stir moderately. Do not retemper with additional water.
- ▶ Protect freshly applied material from drafts, direct sunlight, and direct sources of heat.

- ▶ A floor covering must protect the UZIN NC 886 application.
- ▶ Allow 16 hours dry time for use with high-performance, two-component epoxy, and wood flooring adhesives.
- ▶ Do not use for an entire area (skimcoat) application below glue down wood flooring.
- ▶ The following standards and product regulations apply:
  - ASTM F710 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
  - ASTM C109 "Standard Test Method for Compressive Strength of Hydraulic Cement Mortars"
  - ASTM C150 "Standard Specification for Portland Cement"
  - ASTM C219 "Standard Terminology Relating to Hydraulic and Other Inorganic Cements"

## COMPOSITION:

Special cements, mineral aggregates, redispersible polymers and additives.

## PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Read and follow all safety and environmental precautions and instructions on the packaging label and the Safety Data Sheet (SDS). The SDS is available at [www.uzin.com](http://www.uzin.com).

**WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## DISPOSAL:

Dispose of the material in accordance with applicable laws and regulations. Avoid product to get in contact with soil, waterways, drains, or sewers. Empty containers or liners may retain product residues.

## INDOOR AIR QUALITY INFORMATION

Certification: SCS Indoor Advantage™ Gold

VOC content: 0 g/L; compliant with SCAQMD rule 1113

VOC emission: Conforms to the CDPH Standard Method (CA 01350) V1.2-2017; TVOC emission between 0.5 and 5.0 mg/m<sup>3</sup>